

SPECIFICATIONS

24 Core Single Mode Armoured OFC (2000 mts):

Fiber count: 24 ; Strength Member: Solid FRP Non-metallic strength member; Core wrapping: Polyester foil/tape; Moisture barrier protection: thixotropic flooding compound (jelly) ; Material of Inner sheath: Tough weather resistant HDPE ; Minimum Thickness of inner sheath (in mm): 1.5 ; Armouring: corrugated stainless steel armour tape ; Outer Jacket (Sheath): HDPE ; Outer sheath Thickness: minimum 2mm ; RIP Cord: 2 Nos.; The fibers in cable length: without joint ; Minimum Life of Cable: 20 Year

12 Core Single Mode Armoured OFC (2300 mts):

Fiber count: 12 ; Strength Member: Solid FRP Non-metallic strength member; Core wrapping: Polyester foil/tape; Moisture barrier protection: thixotropic flooding compound (jelly) ; Material of Inner sheath: Tough weather resistant HDPE ; Minimum Thickness of inner sheath (in mm): 1.5 ; Armouring: corrugated stainless steel armour tape ; Outer Jacket (Sheath): HDPE ; Outer sheath Thickness: minimum 2mm ; RIP Cord: 2 Nos.; The fibers in cable length: without joint ; Minimum Life of Cable: 20 Year

6 Core Single Mode Armoured OFC (2300 mts):

Fiber count: 6 ; Strength Member: Solid FRP Non-metallic strength member; Core wrapping: Polyester foil/tape; Moisture barrier protection: thixotropic flooding compound (jelly) ; Material of Inner sheath: Tough weather resistant HDPE ; Minimum Thickness of inner sheath (in mm): 1.5 ; Armouring: corrugated stainless steel armour tape ; Outer Jacket (Sheath): HDPE ; Outer sheath Thickness: minimum 2mm ; RIP Cord: 2 Nos.; The fibers in cable length: without joint ; Minimum Life of Cable: 20 Year

4 Core Single Mode Armoured OFC (1000 mts):

Fiber count: 4 ; Strength Member: Solid FRP Non-metallic strength member; Core wrapping: Polyester foil/tape; Moisture barrier protection: thixotropic flooding compound (jelly) ; Material of Inner sheath: Tough weather resistant HDPE ; Minimum Thickness of inner sheath (in mm): 1.5 ; Armouring: corrugated stainless steel armour tape ; Outer Jacket (Sheath): HDPE ; Outer sheath Thickness: minimum 2mm ; RIP Cord: 2 Nos.; The fibers in cable length: without joint ; Minimum Life of Cable: 20 Year

Bullet Camera (92 Nos):

Camera Type: Outdoor IP Bullet, IP67 rated, vandal-resistant aluminium housing; Image Sensor: minimum 1/2.9" 4MP Progressive Scan CMOS; Resolution: 4MP (2560×1440); Lens: 2.7mm–13.5mm motorized varifocal lens, iris control, zoom, and focus; Minimum Illumination: 0.008 lux), 0 lux with IR; IR Range: 50 meters minimum; Shutter Speed: 1/3s to 1/100000s, Video Compression: H.264, H.265, H.265+; Frame Rate: 25/30 fps @ 4MP; Audio: Built-in mic, 1 RCA output, Motion Detection: minimum 4 customizable areas; Network: 1× RJ-45; protocols: TCP/IP, DHCP, HTTP, HTTPS, FTP, RTSP, IPv4/IPv6, etc.; Power Supply: 12V DC and PoE (802.3af); ONVIF Support: Yes; Other Features: Auto Gain, privacy zones (4), digital noise reduction; Warranty: 3 years

Network Video Recorder with RAID5 (4 Nos):

Recorder Type: NVR, Rack Mounted, Metal/Aluminium alloy housing; IP Camera Input Channels: 32; Max Recording Resolution: 12 MP (4000 x 3000); Supported Compression: H.264, H.265; Display Support: View 32 or more cameras on a single display; Recording Speed: Up to 30 fps for all channels; Audio Support: Yes; Encryption: HTTP (SSL/TSL), Multi-level User ID/Password; Alarm Support: Yes, with alarm in and out; Linux; Supported Network Protocols: TCP/IP, DHCP, DNS, DDNS, FTP, SMTP, NTP, RTP, RTSP, UDP, HTTP; Storage Capacity: minimum 12TB (HDD included); Ports: Ethernet, 2 USB, 2 HDMI, 2 VGA, 1 RS232, 1 eSATA, 1 RS485; Search: Date, Time, Event, Motion, Time-line based search; ONVIF support; Video Content Analytics: Trip-wire, Motion detection, Line crossing, Intrusion, Object counting, Tampering, 12X Digital Zoom; Warranty: 3 years

LED TV (3 Nos):

Type: LED ; Size: minimum 42 Inch ; Resolution: Full HD ; Audio: 10 watts x 2 or higher ; Input and Output: HDMI-2, USB-1, PC Input, Composite In (AV)-1, Audio Out -I Component In-1, Accessories: Remote, Wall Mounting Kit, All connecting Cable ; Warranty: 3 years

24 Port 1G Fiber Managed Switch (4 Nos):

Ports: 24 × 1G SFP, 2 × 10G uplinks; Redundant Power Supply: Yes; Switching Capacity: 150 Gbps (Non-blocking), Throughput: 100 MPPS, Layer 3 Support: Advanced protocols (OSPF, BGP),

Security: DHCP Snooping, ARP Inspection, ACL, 802.1x, RADIUS/TACACS+, Management: GUI, CLI, Telnet, SNMP (v1/v2/v3), SSHv2, NTP, QoS: 802.1p, SP, WRED, LLQ, Form Factor: 1U, rack-mountable, IPv6 Ready: Yes, Warranty: 3 years (on-site)

8 Port PoE Unmanaged Switch (28 Nos):

Type: Unmanaged; PoE Technology: PoE+ (IEEE 802.3af/at); Ports: 4 × 1G Copper Ports, 4 × 1G Copper Ports with PoE, 2 × 1G SFP Uplink Ports; Switching Capacity: Minimum 16 Gbps; Throughput: Minimum 14 MPPS; PoE Power Budget: 68W total; Features: RoHS Compliant, Store-and-forward switching, IEEE 802.3x flow control, IPv6 Ready, Warranty: 3 Years On-Site OEM

1G SM SFP Transceiver (100 Nos):

Transceiver Type: SFP ; Compatibility: IEEE 802.3z 1000Base-LX ; Fiber Type: Single Mode ; Connector: LC ; Wavelength: minimum 1300nm ; Max Distance: Up to 10km ; Warranty: 1 Year

1G SM Media Convertor (42 Nos):

Type of Transceiver: SFP ; Speed: 1G ; SFP Mode: Single ; Supported Protocols: TCP, IP, HTTP, HTTPS, FTP, SMTP etc. ; Fibre Cable Type: Single Mode Fibre ; Warranty: 1 Year

Line-interactive UPS (600VA) (24 Nos):

Type: 0.6 KVA Line Interactive with MOSFET technology; Battery Backup: 15 minutes on full load; Battery Type: 12V 7AH SMF (inside enclosure); Output: 230V AC, 50Hz, single-phase sine wave with < 10% THD; Input Voltage Range: Single-phase AC (160-280V); AVR Regulation: 230V ± 9% in AC mode; Warranty: 2 years

24 Port Fiber Patch Panel (LIU) (3 Nos):

LIU Type: Rock Mounted ; Type of patch panel: Flat ; Lan category: Cat6 ; Height Of Patch Panel: 1U ; Number Of Ports: 24 ; Adapter: LC ; Material Of Patch Panel: Cold Rolled Steel
Spliced Tray: Loaded ; Colour: Black ; Warranty: 3 Years

Simplex Pigtailed 1 Mtr (150 Nos):

Pigtail Type: 1m SC Type Single Mode Fibre optic connector in yellow PVC Jacket ; Bend radius, Min., (in mm): 25 ; Retention strength (in N): 20; Cable type: Simplex

Fiber Patch Cord 2 Mtr SC-LC SM (164 Nos):

Fibre type: Single mode ; Optical Fiber: Corning glass fibre ; Connector Type: SC-LC ; Length: 2 Meter ; Jack Material: LSZH (yellow jacket)

UTP Cat 6 Cable (305mtr Box) (1 Nos):

Cable Type: CAT6 UTP, TIA/EIA-568 C.2 or ISO/IEC:11801 compliant; Outer Jacket: FR PVC; Conductor: 8 Solid bare copper conductors, 0.57 mm (23 AWG); Insulation: Polyethylene; Length: 305 meters per bundle; Separator: Internal cross separator; Sequential Marking: Yes; Warranty: 3 Years

UTP Cat 6 Cable Armoured (305 Mtr Box) (3 Nos):

Conductor: : Solid Bare Electrolytic Grade Copper ; Insulation: : Polyethylene ; Rip Cord: : Yes ; Inner Jacket: : PVC ; Armouring: Aluminium Wire ; Sequential Marking: : At Every Meter
Outer Jacket: : PE (Suitable for Burial) ; Colour of Jacket: : Black ; Filler: : HDPE ; Warranty: 3 Years

UTP Patch cord 1 Mtr (90 Nos):

Patch cord type: CAT6 UTP ; Patch cord colour: Grey ; Length of cord (Mtrs): 1 mt ; Modular plug: RJ45 ; Conductor Material: Stranded copper ; Conductor Insulation Material: Polyethylene

6U Outdoor Network rack Poll Mounted (28 Nos):

Standard: IP55 compliant; Construction: Welded steel frame; Front Door: Lockable steel door; Mounting: 19" DIN standard slots with formed steel angles; Finish: Powder coated; Cable Entry: Bottom field entry/exit; Load Capacity: 20 kg static load; Warranty: 3 year

42 U Network Rack (1 Nos):

Type: Rack Enclosure, Free-standing; Size: 42U, Depth up to 1200mm; Front Door: Transparent toughened glass with perforation; Rear Door: CRCA Steel, split design, perforated; Side Panels: Lockable with slam latch; Cable Management: Vertical & horizontal managers, cable entry from top/bottom, rear cable channel; Trays: 1 sliding keyboard tray, 1 shelf for CRT/TFT; Cooling: 4 fans, 1 fan tray; Caster Wheels: Heavy-duty with front brake option; Load Capacity: 750 kg; PDU Power Strips: Yes; Warranty: 3 year

Pole 6 meter (4 Nos):

Width: 65mm ; Length: 6mtr height ; Type: C Class, GI pole heavy duty as per IS1239(part-1)2004 - wt per kg not less than 7.93kg per mtr ; Certification: Must be ISI marked

Network Rack 12U (1 Nos):

Type: Rack Enclosure (Free-Standing); Size: 12U, depth up to 1200 mm; Front Door: Transparent toughened glass; Rear Door: CRCA Steel, perforated; Side Panels: With key locks and slam latch; Design Features:Rear split door, Sliding/rotary keyboard tray, Shelf for CRT/TFT display, Cable management (top/bottom entry, rear channel), Vertical and horizontal cable managers; Cooling: 4 fans with 1 fan tray; Mobility: Heavy-duty caster wheels with front brake; Power: PDU power strips included; Warranty: 3 year

6 Port Fiber Patch Panel (LIU) (30 Nos):

LIU Type: Rock Mounted ; Type of patch panel: Flat ; LAN category: Cat6 ; Height Of Patch Panel: 1U ; Number Of Ports: 6 ; Adapter: LC ; Material Of Patch Panel: Cold Rolled Steel; Spliced Tray: Loaded ; Colour: Black ; Warranty: 3 Years

2. ATTACHMENT-REQUISITION LINE:-

Note: Supply, installation & commissioning of all the items for IP-based CCTV Surveillance System should be as desired by IVRI and at desired locations without any extra cost to IVRI. For successful installation and commissioning, if some items are required but not in the list, should also be supplied without any extra cost to the institute.

Eligibility Criteria

- The bidder should be in the business of supply, installation & commissioning of IP CCTV Surveillance System for at least five years.
- The bidder must have completed supply, installation & commissioning of IP CCTV Surveillance System at least 10 sites in last three year. A documentary proof is to be provided by the firm
- The bidder should have technical support office in the Uttar Pradesh preferably in Bareilly.
- Details & proof of service facilities for Technical Support on services, maintenance and availability of hardware components and manpower be attached.
- The bidder shall not assign or sub contract, in whole or in part, its obligations to perform under the Contract.

Terms and Condition

- The bidder warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and they incorporate all recent improvements in design and materials unless provided otherwise in the Contract.
- This warranty shall remain valid for a period of a minimum 36 months after the Goods or any portion thereof as the case may be, have been delivered, commissioned and accepted at the destination indicated in the Contract.

The bidder will submit the rates of AMC for five years after the expiry of warranty period.